



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Friday, May 17, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today and Tomorrow

- **Severe storms w/ very large hail, damaging winds, and a couple tornadoes late this afternoon into tonight from W/NW TX into SW OK.**
- **Severe storms & heavy rain/flash flooding Saturday for OK, TX, AR, LA. Greatest threat is from Central/NE TX into E OK/W AR.**

## Sunday through Tuesday

- **Severe storms return to OK/TX on Monday and into AR/LA on Tuesday.**

## Major River Flooding or Known Evacuations

- **Major flooding continues on the MS River at Baton Rouge (SE LA), the Upper Sabine River (NE TX), the Ouachita River at Monroe (N LA), and the Trinity River at Liberty (SE TX).**

# FEMA Region 6 Threat Matrix

May 17, 2019 – May 21, 2019



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DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms	WTX	Central/NE TX, E OK, W AR	WTX, E AR/LA	OK, TX	OK, TX, AR, LA
	NW TX, SW OK	TX, OK, AR, LA			
Heavy Rain / Flash Flooding	WTX	NE TX, E OK, W AR		OK	
Fire Weather	S NM, Far WTX	S NM, Far WTX			
Tropical Weather					
River Flooding	TX, LA	TX/LA	TX/LA	TX/LA	TX/LA
	AR	AR	AR	AR	AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# 5-Day Precipitation Forecast & River Flood Status



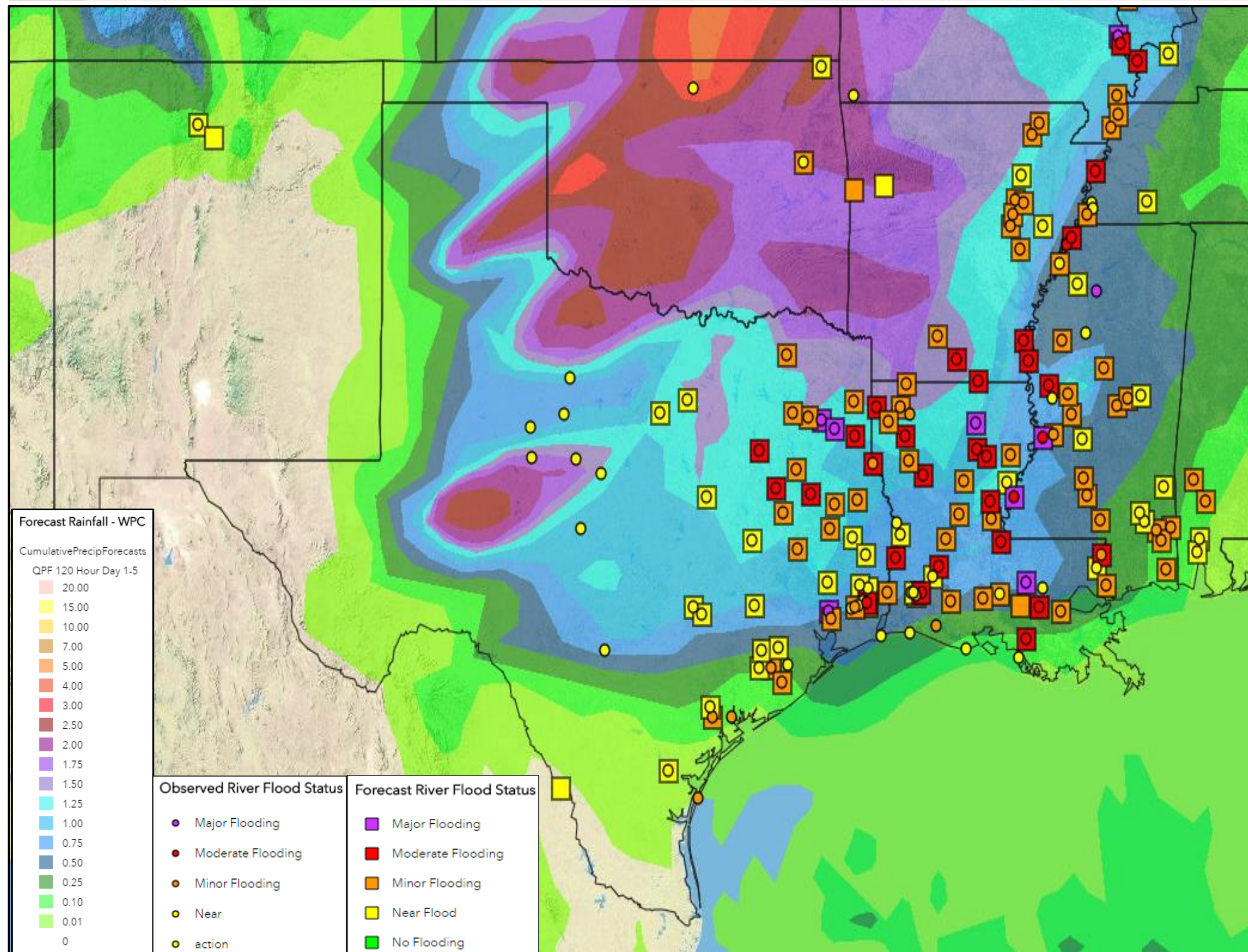
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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**Points along the MS River in AR and LA remain at moderate/major flood stage.**

- **Osceola (NE AR) will remain at moderate flood stage through the middle of next week with many roads under water.**
- **Arkansas City (SE AR) will remain in moderate flood through next week with lowland flooding and flooded roads.**
- **At Red River Landing (NE LA), camps and roads will be flooded, and Angola Landing is flooded, closing the ferry.**
- **At Baton Rouge, (SE LA), major flooding will continue with mostly navigational impacts.**
- **The Bonnet Carre Floodway is opened to reduce water levels at New Orleans.**

**Major flooding continues on the Upper Sabine River (NE TX), the Ouachita River at Monroe (N LA), and the Trinity River at Liberty (SE TX). Impacts mostly to roads and agriculture except for the Trinity at Liberty where impacts to some residences are possible.**



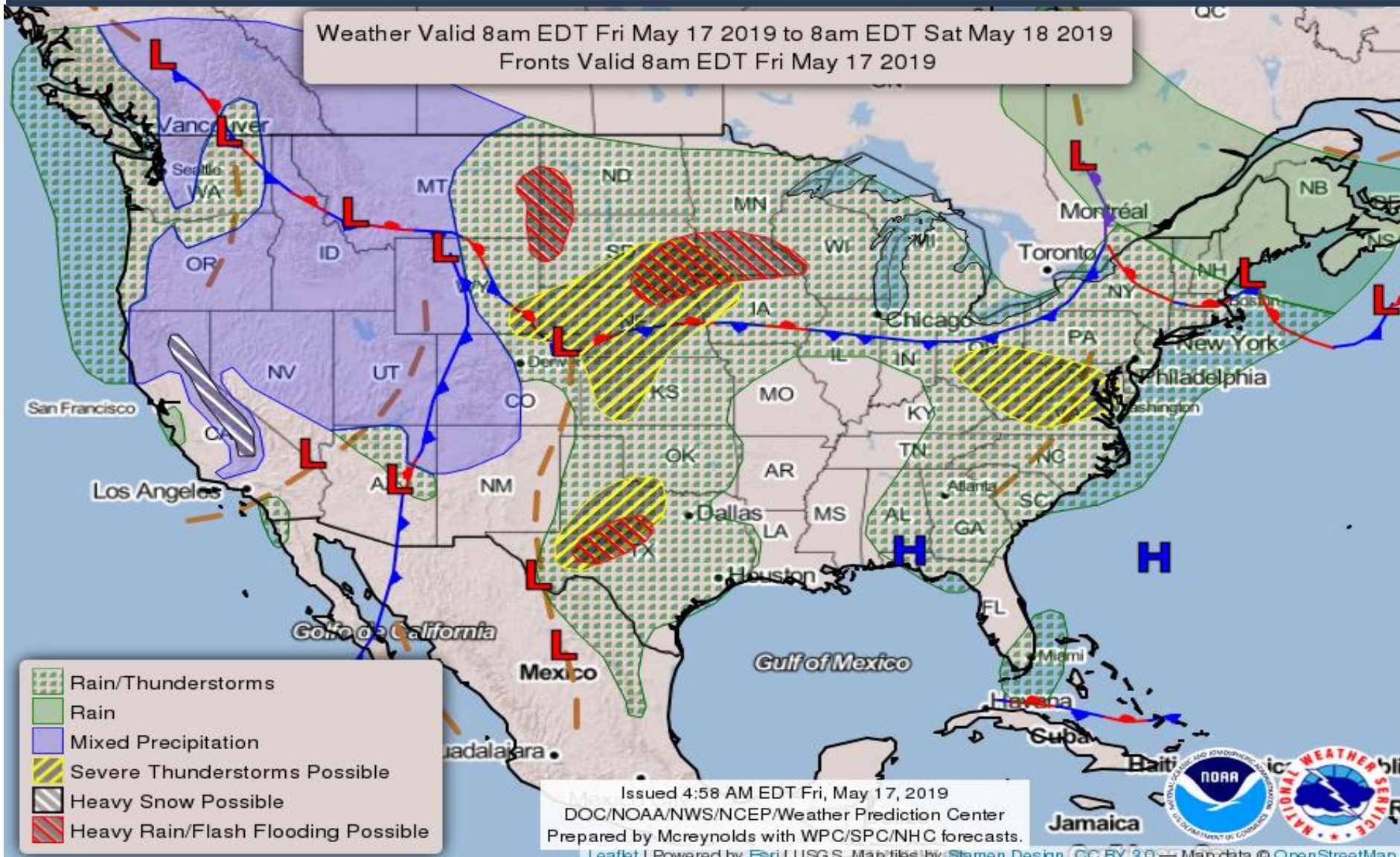


# Today's Weather

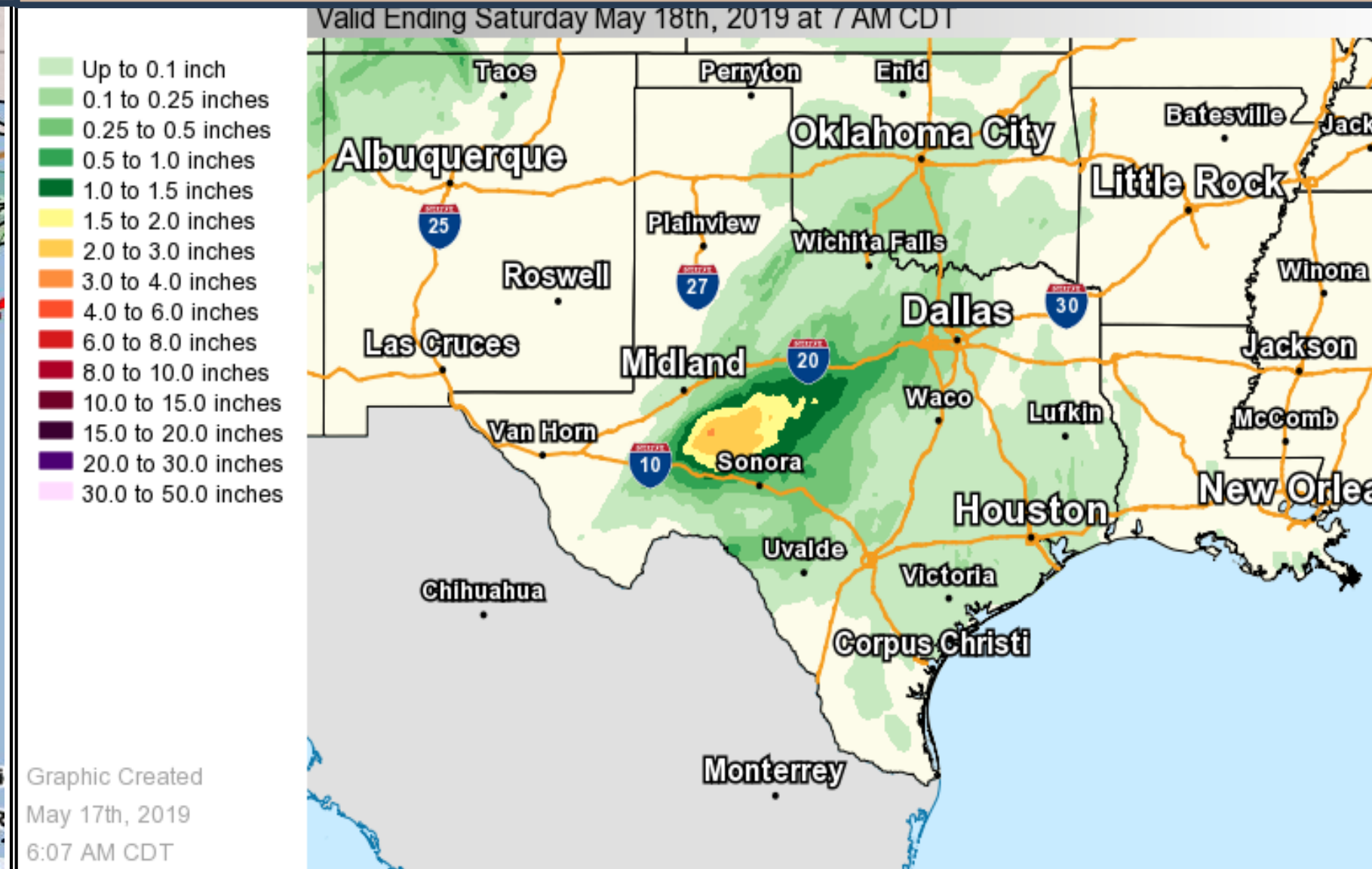


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## Forecast Chart



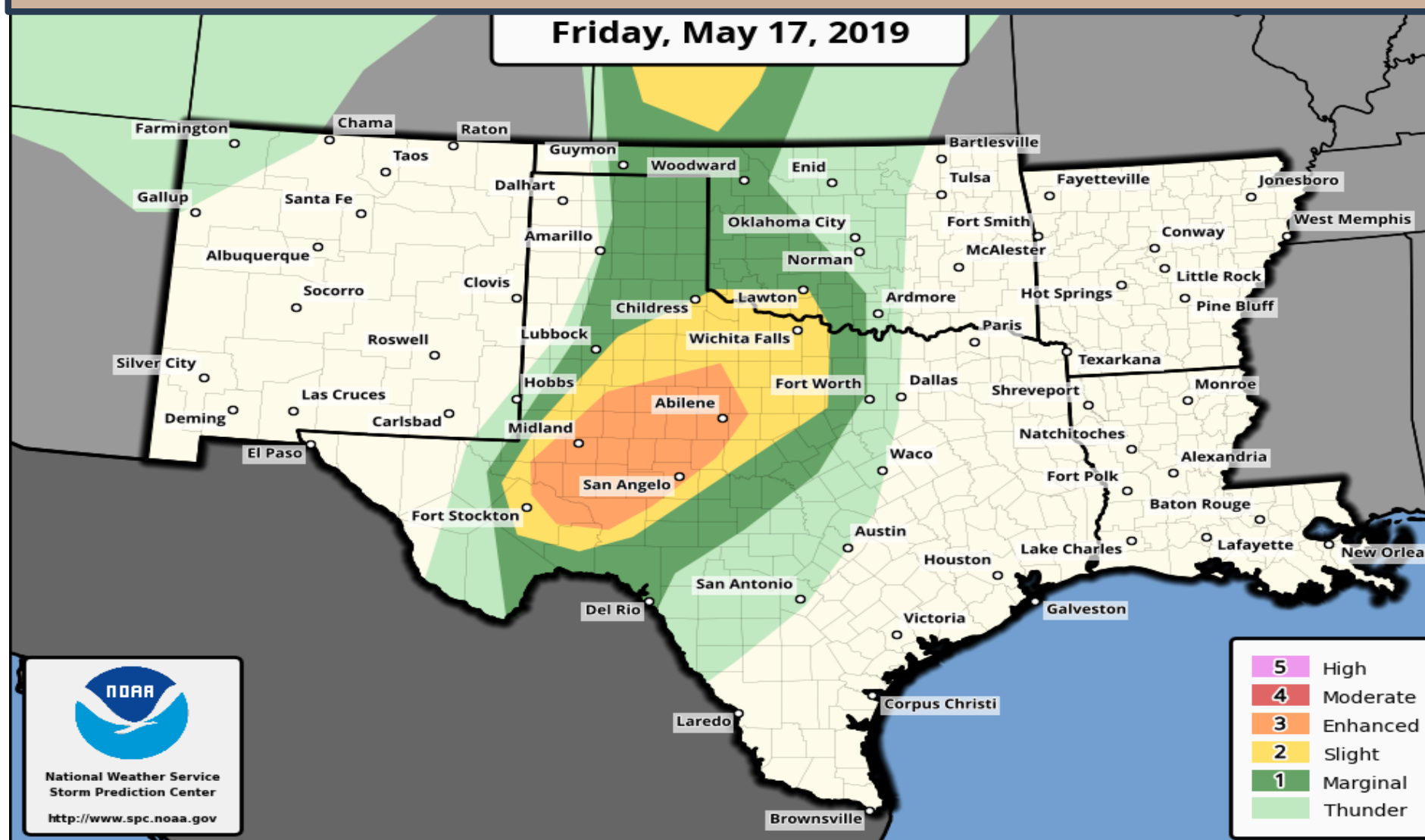
## Forecast Rainfall



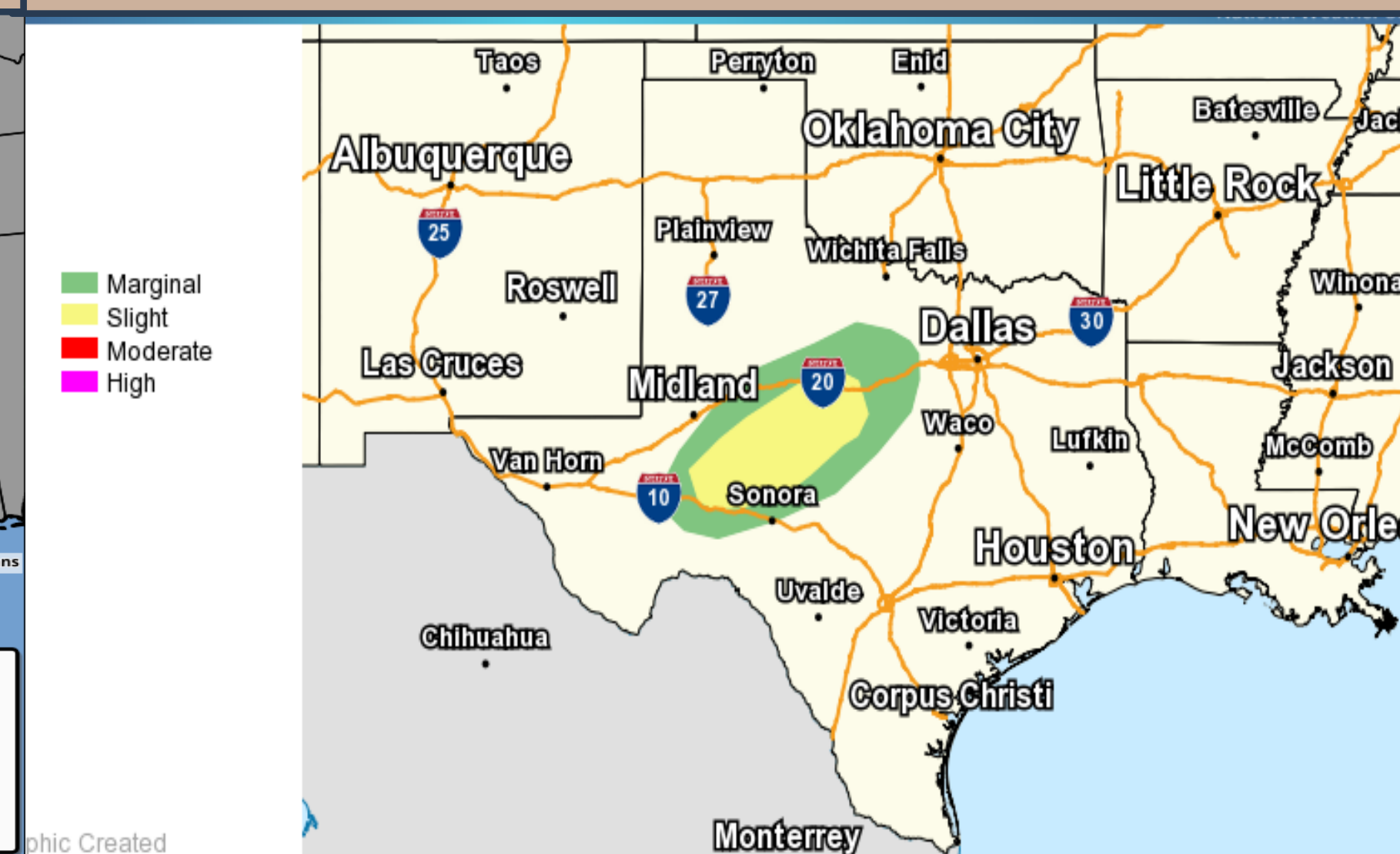
**Severe storms w/ very large hail, damaging winds, and a couple of tornadoes late this afternoon into tonight from W/NW TX into SW OK.**

**Heavy rain/flash flooding possible in W TX.**

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Watches, Warnings, and Advisories



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## Fire Weather



## Severe Weather & Flooding

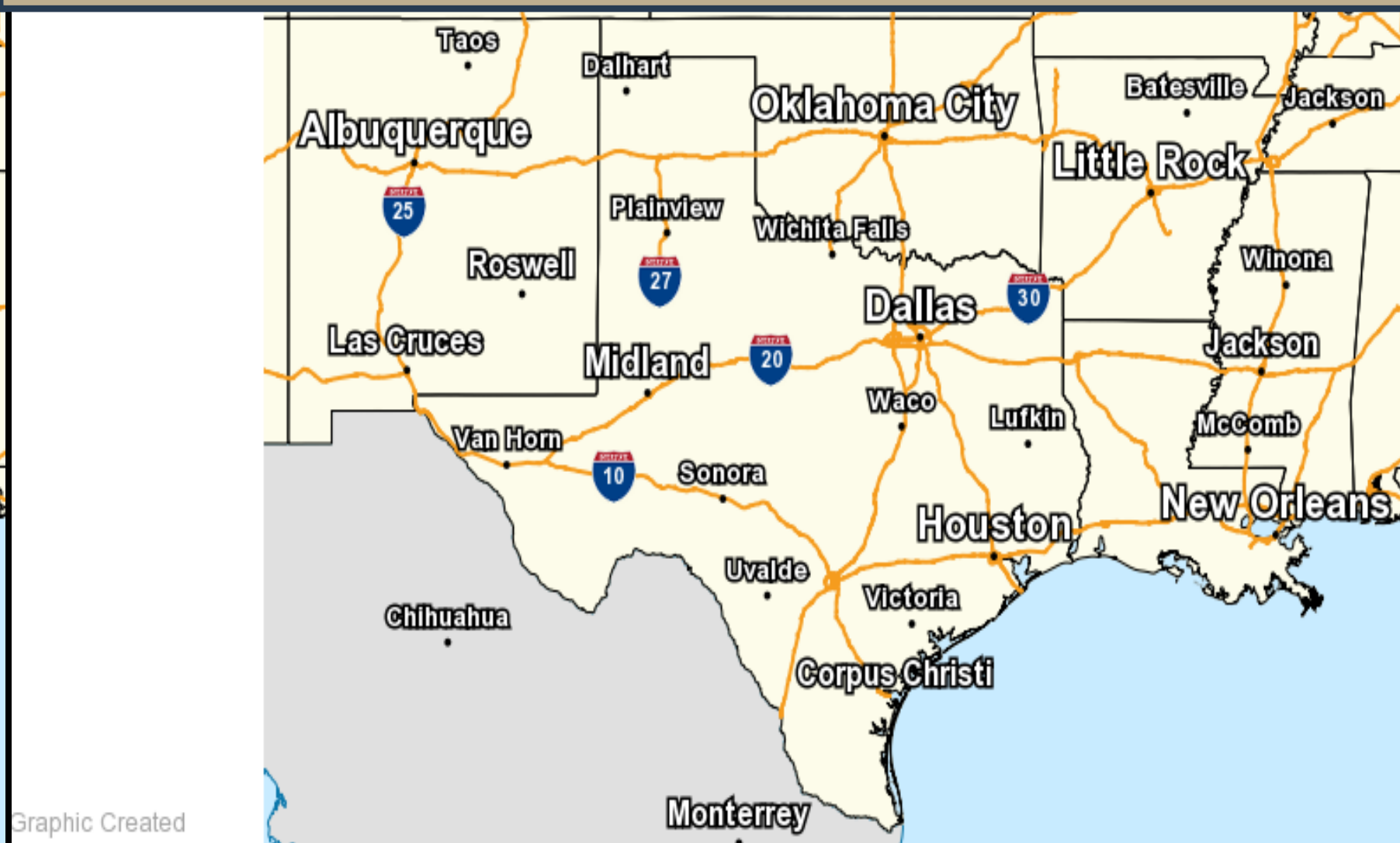


**Red Flag Warnings in effect  
for Critical Fire Weather  
Conditions expected late this  
morning through the evening  
hours in S NM, Far W TX.**

## Strong & Gusty Winds



## Winter Weather



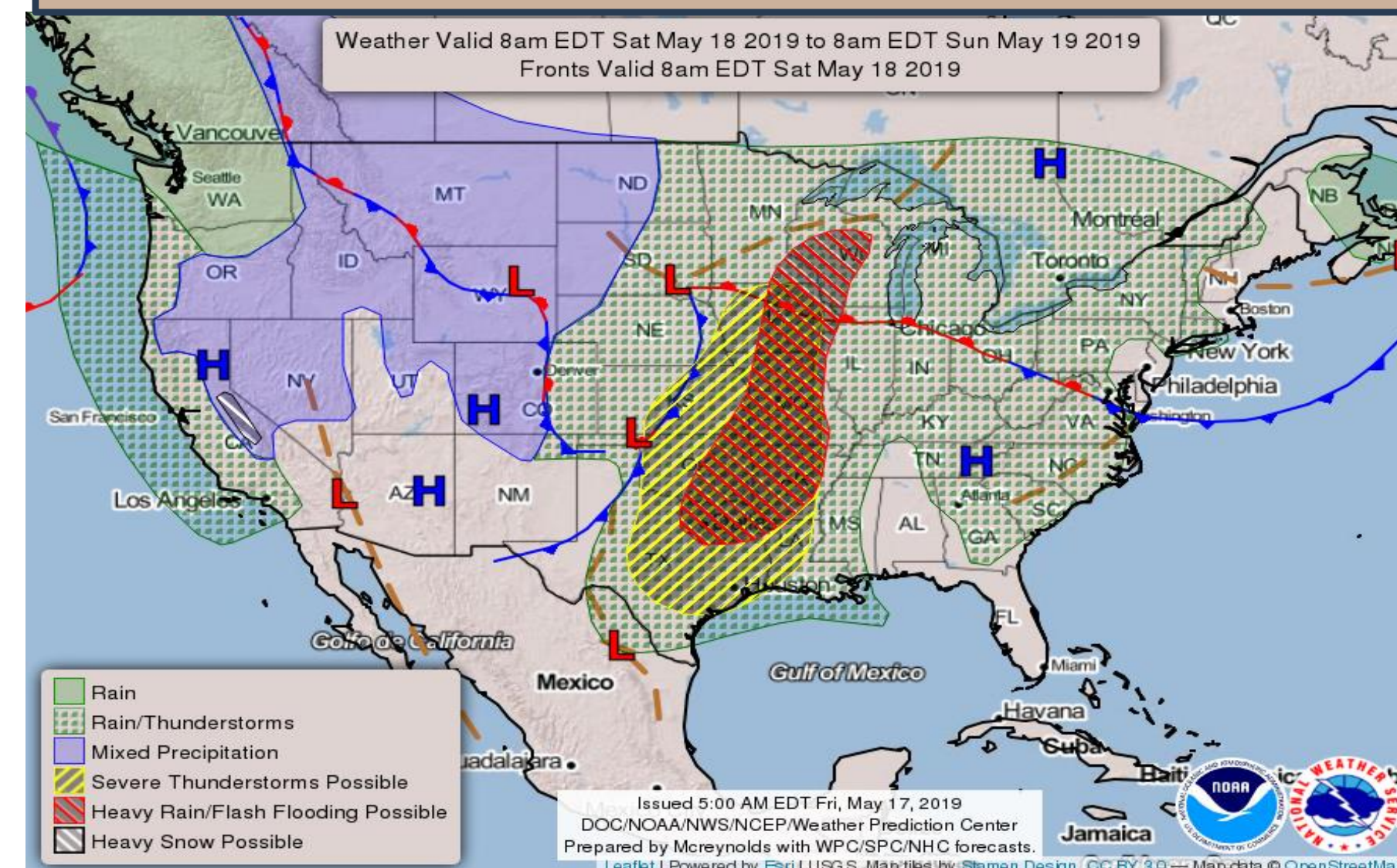


# Tomorrow's Weather

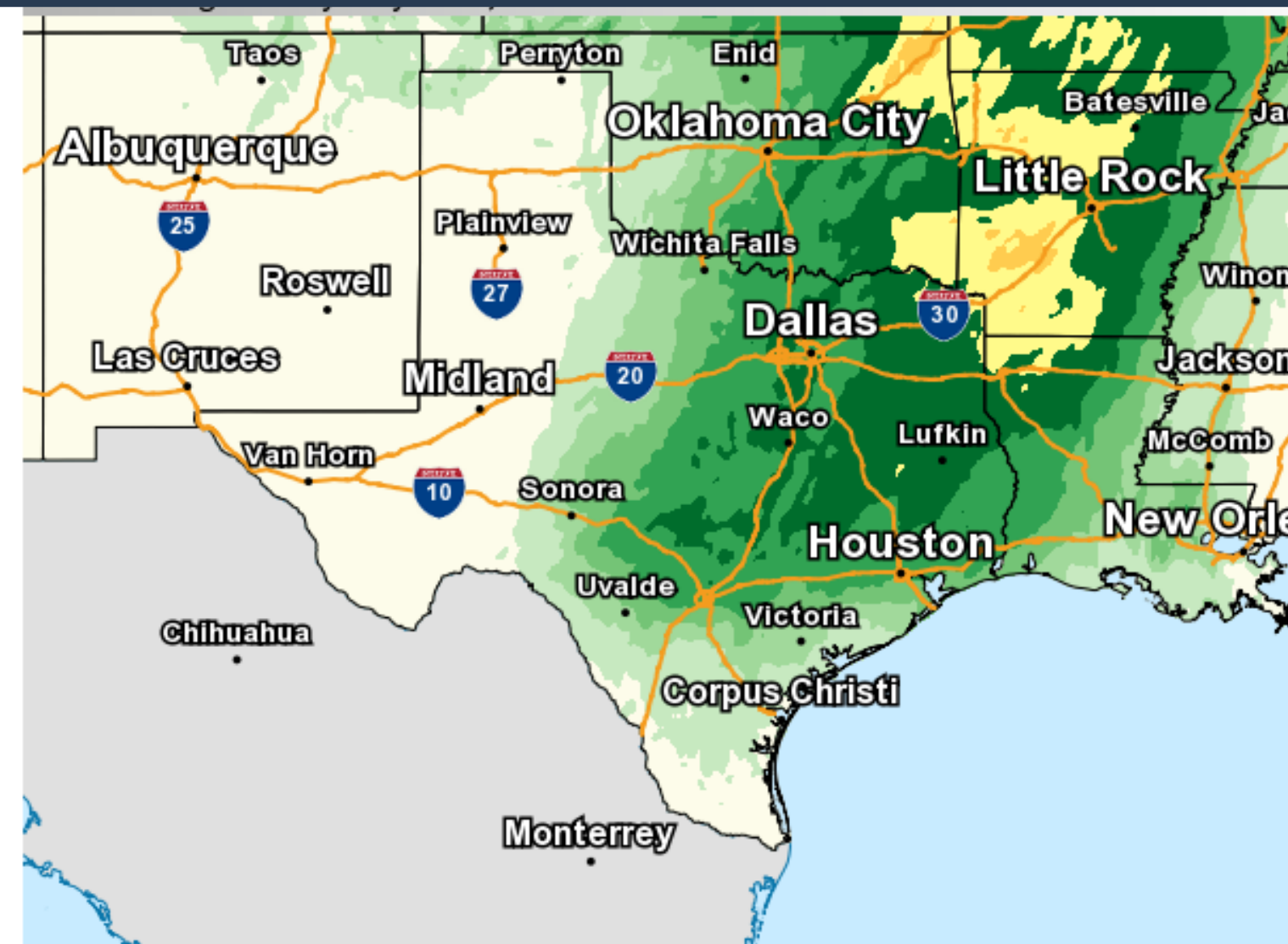


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## Forecast Chart



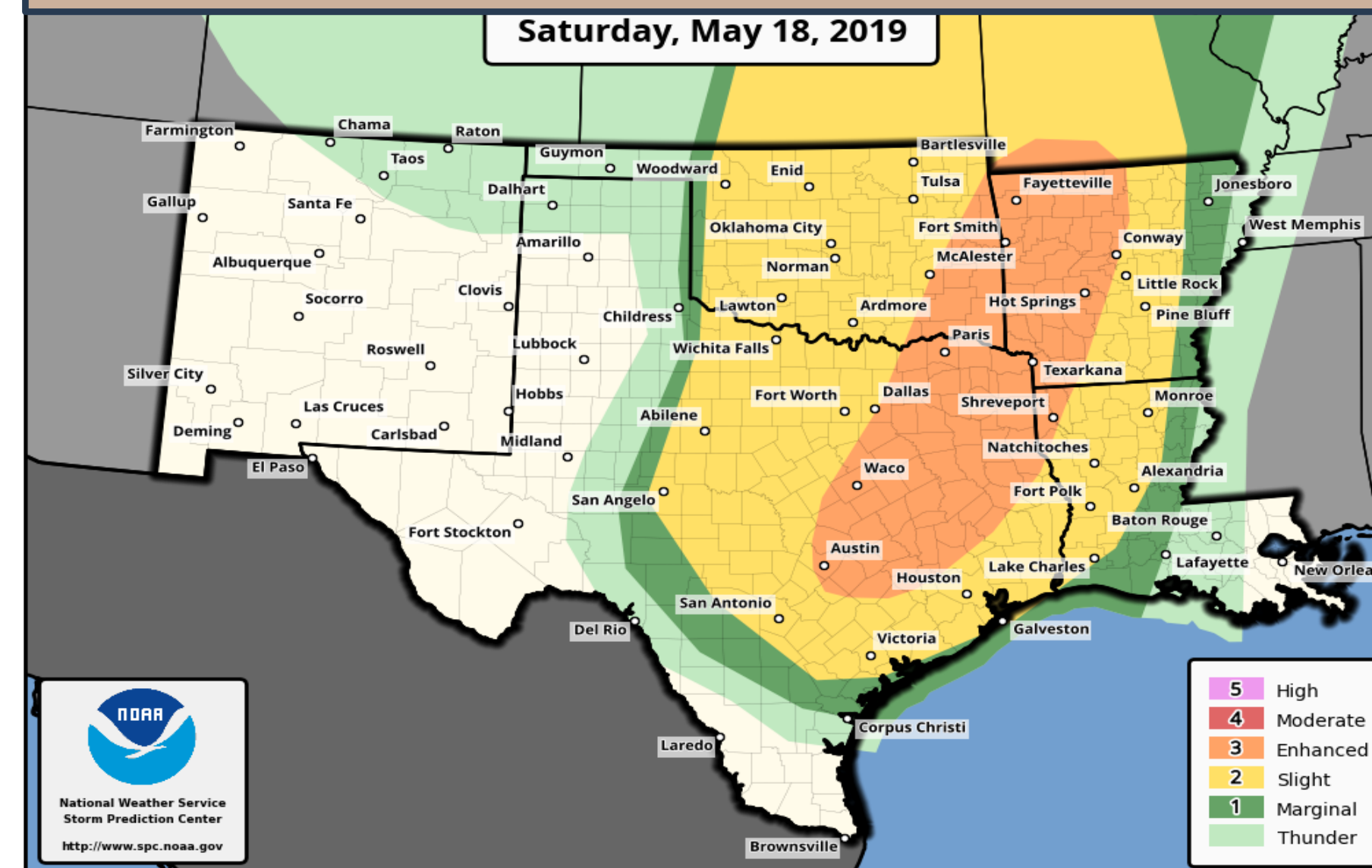
## Forecast Rainfall



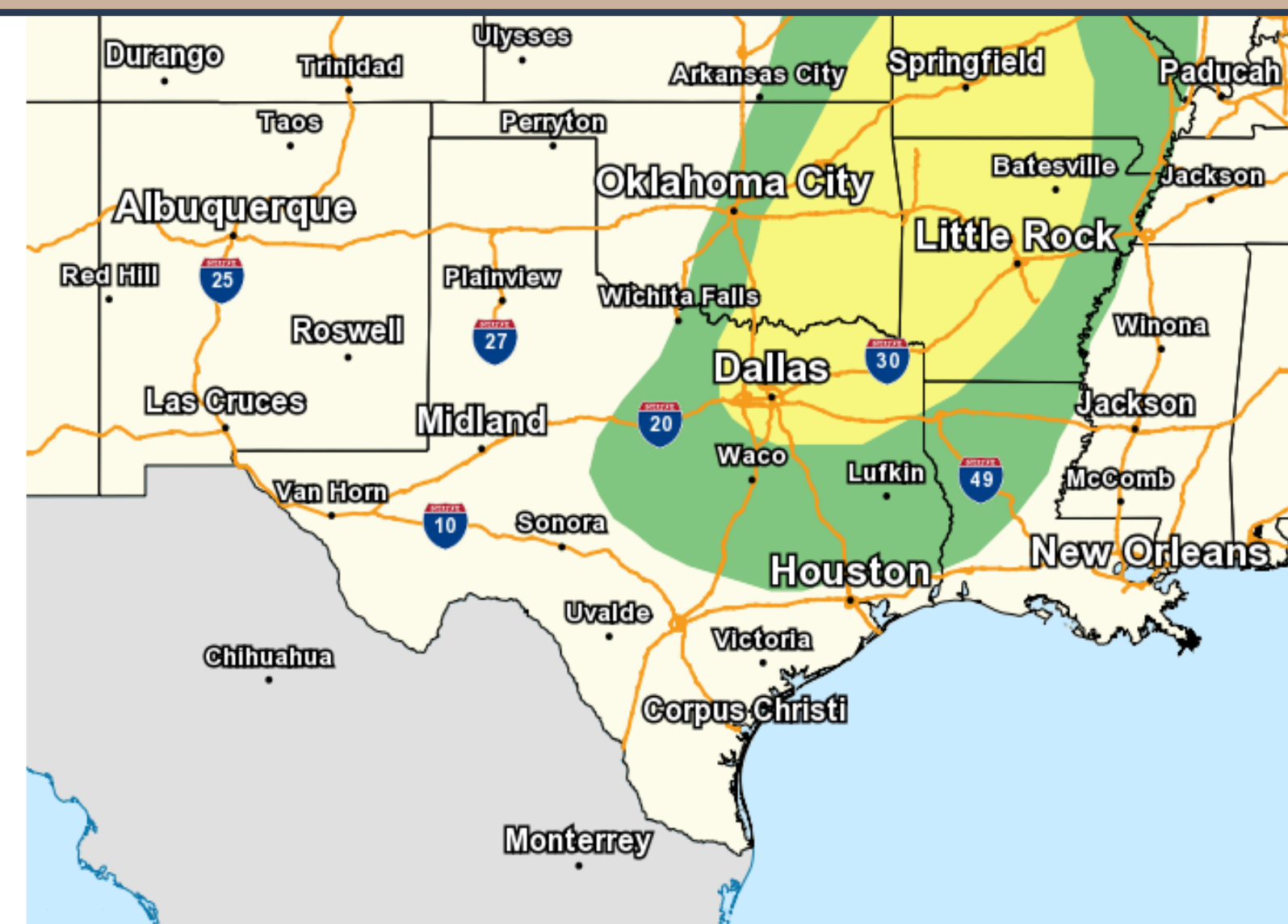
Graphic Created  
May 17th, 2019  
6:10 AM CDT

**Severe storms & heavy rain/flash flooding Saturday for OK, TX, AR, LA. Greatest threat is from Central/NE TX into E OK/W AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



Graphic Created  
May 17th, 2019  
6:10 AM CDT

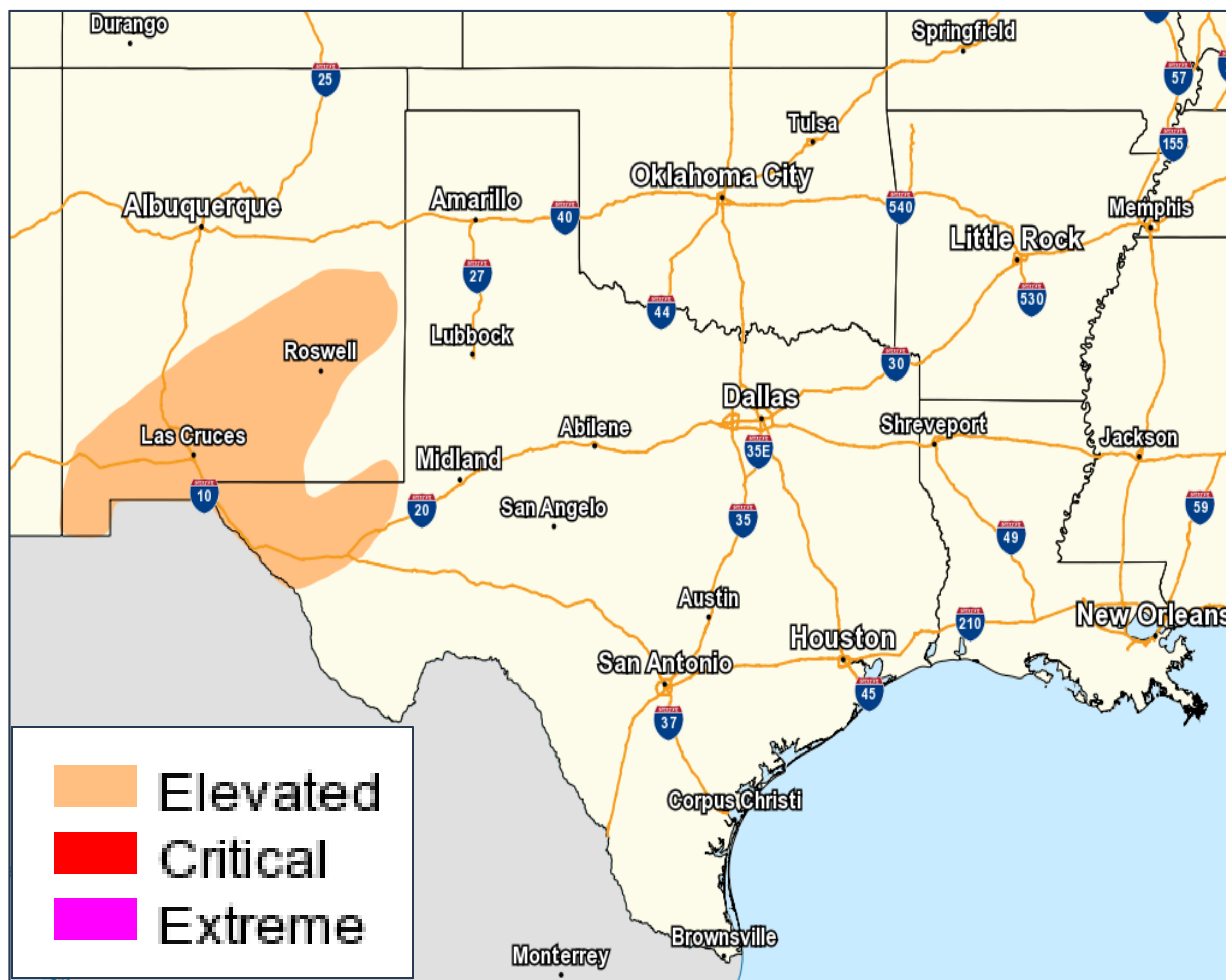


# Fire Weather Outlooks

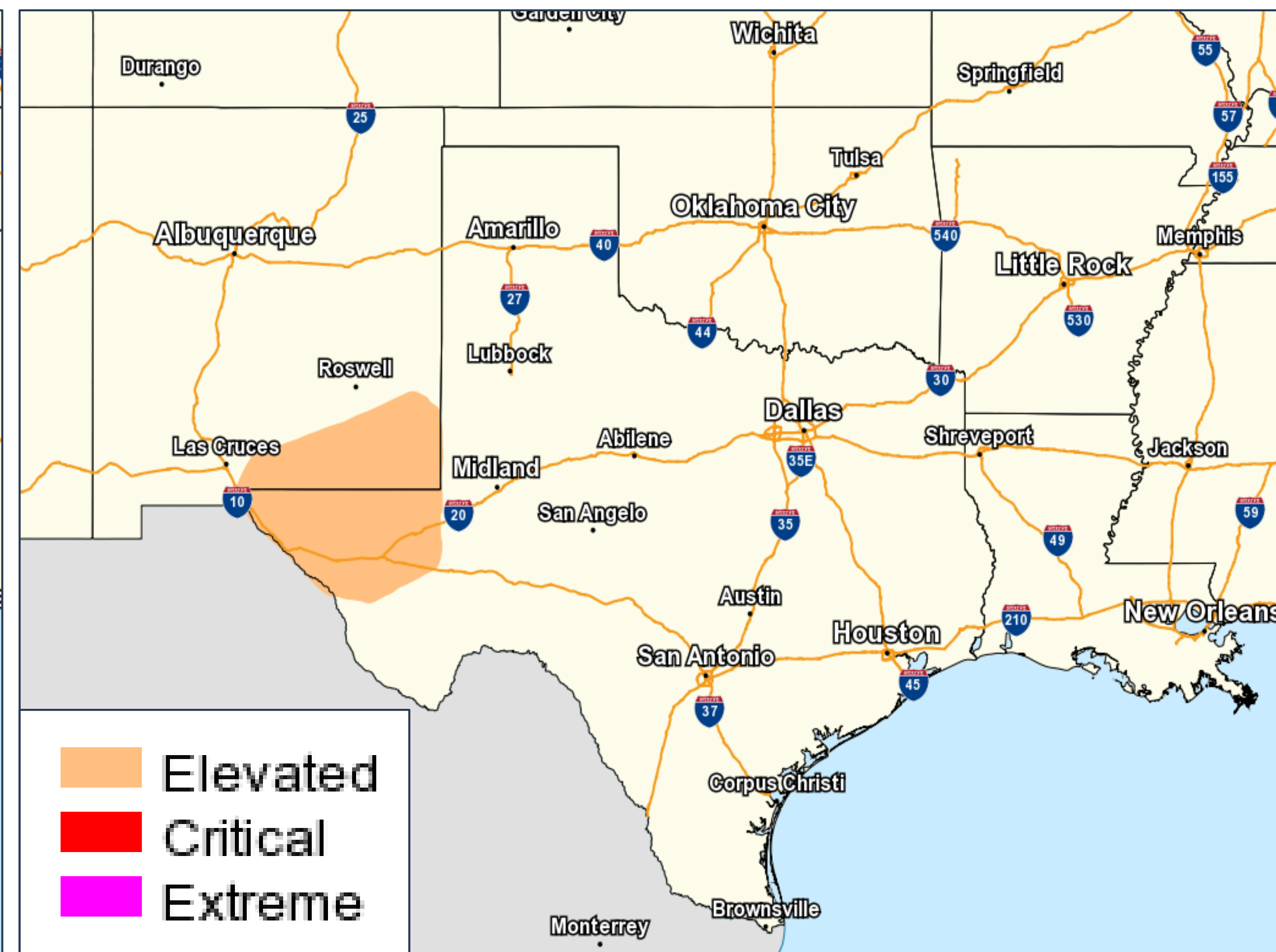


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## Today's Fire Weather Outlook



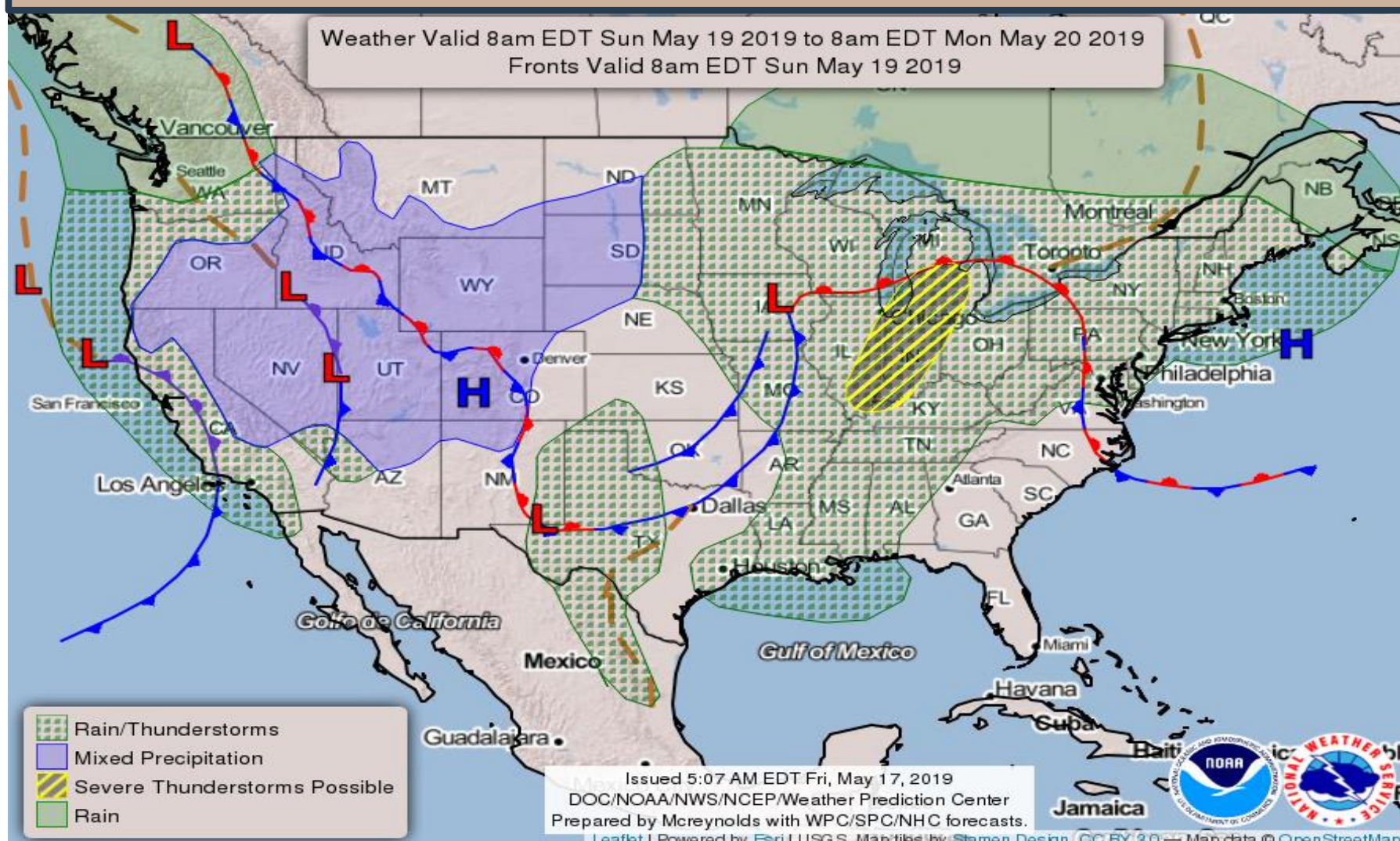
## Tomorrow's Fire Weather Outlook





# Sunday's Weather

## Forecast Chart



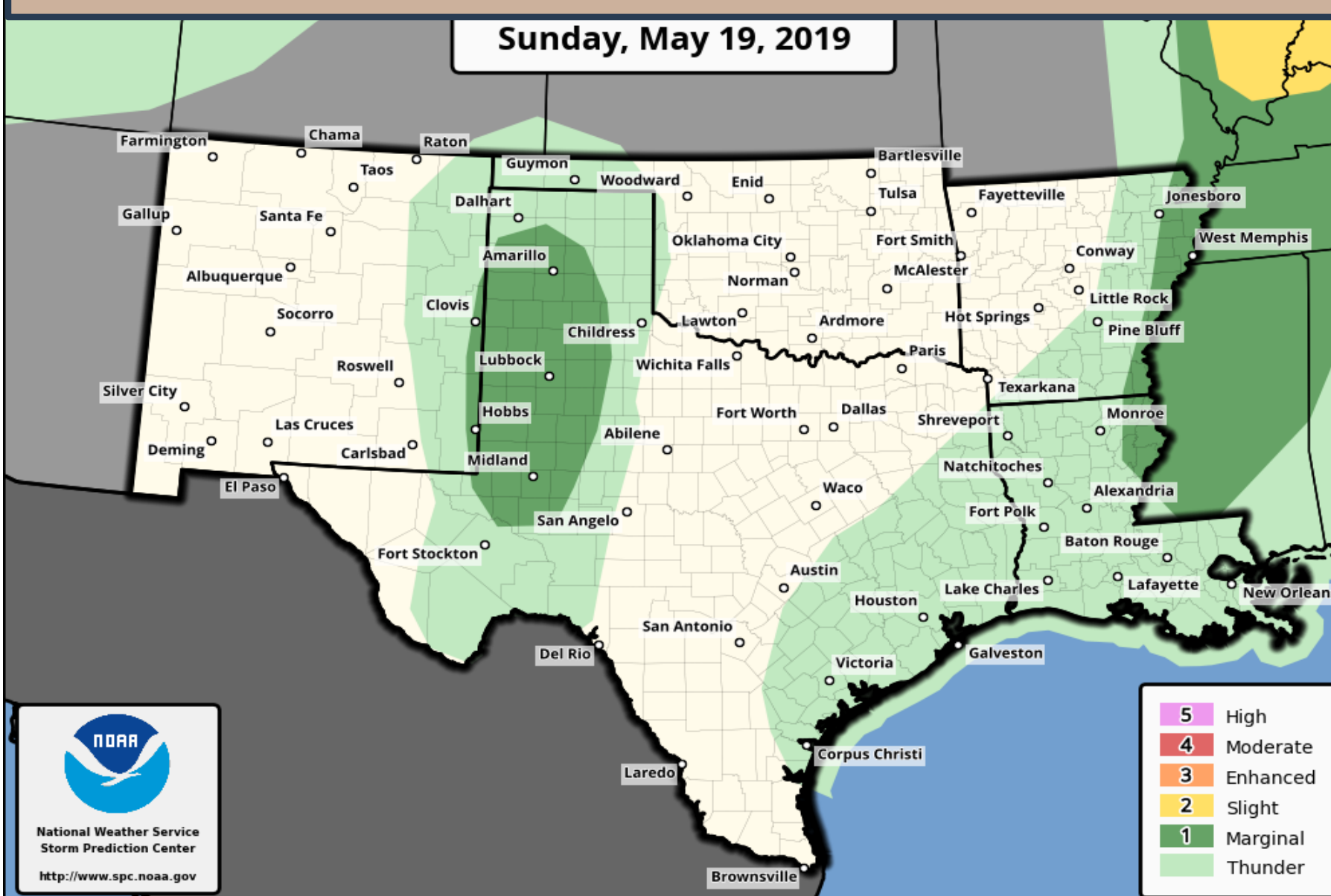
## Forecast Rainfall



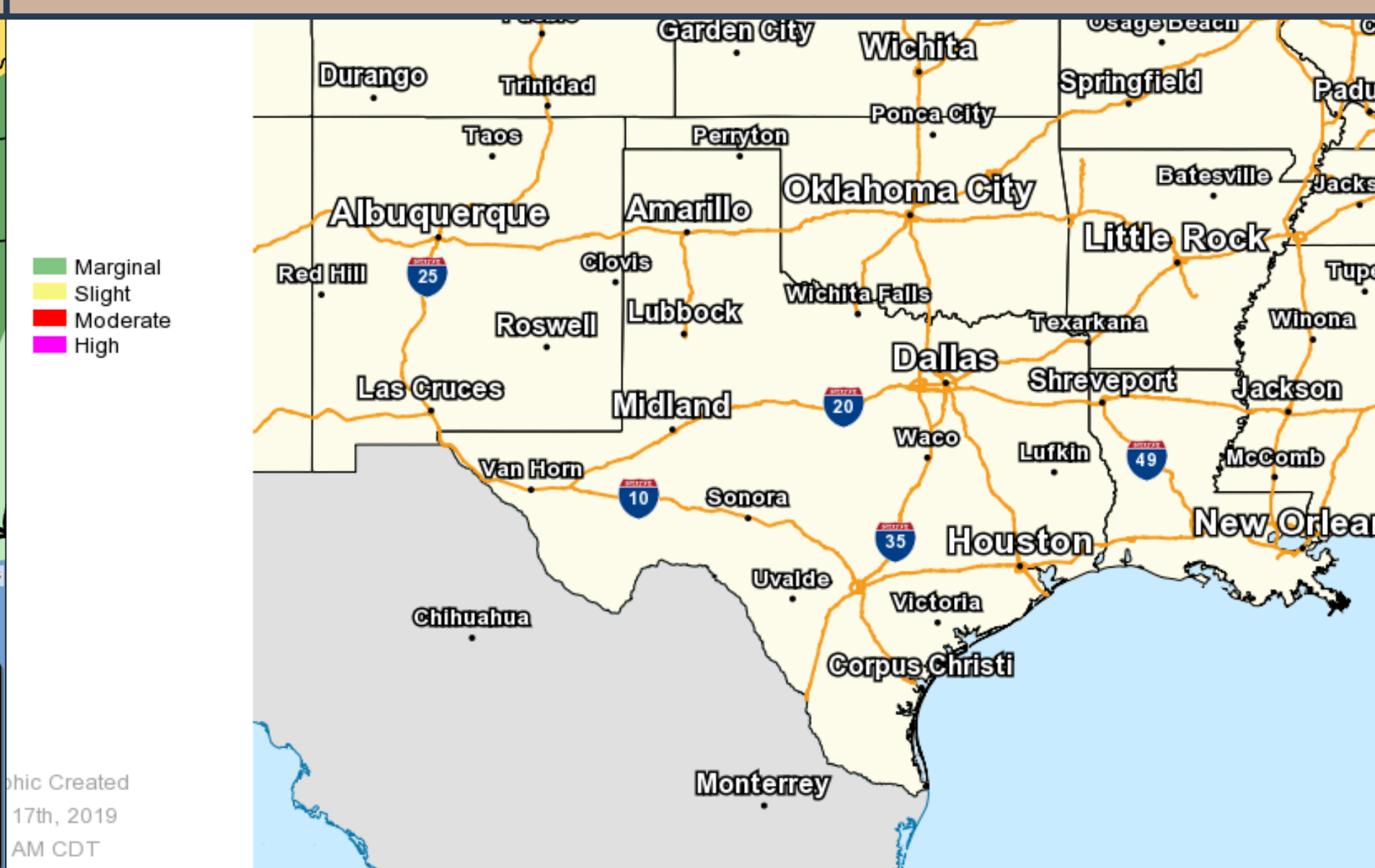
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Isolated strong to severe storms possible over WTX and eastern portions of AR and LA.

## Severe Weather Outlook



## Excessive Rainfall Outlook



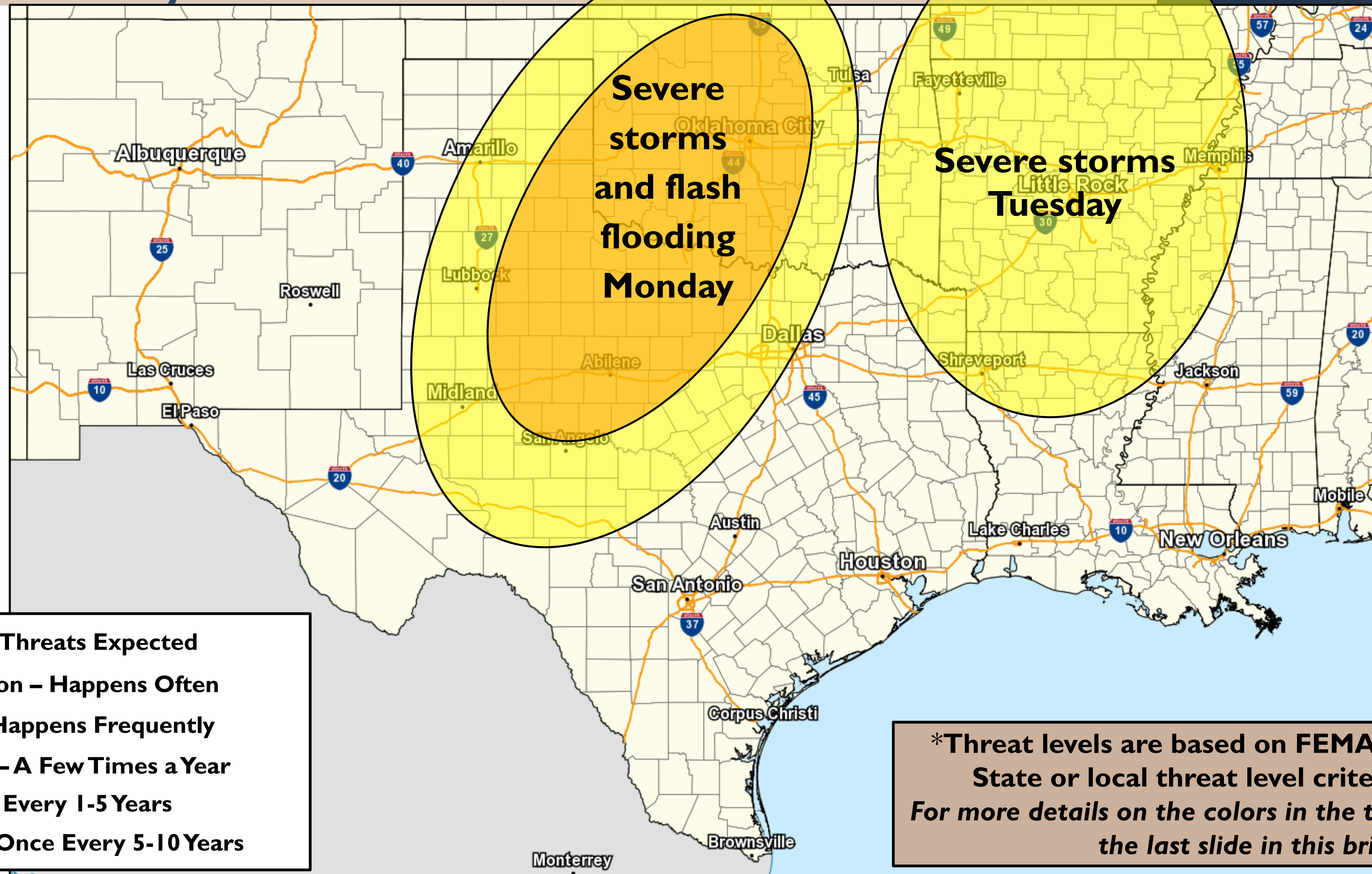


# Days 4-5 Weather Hazards

Monday-Tuesday



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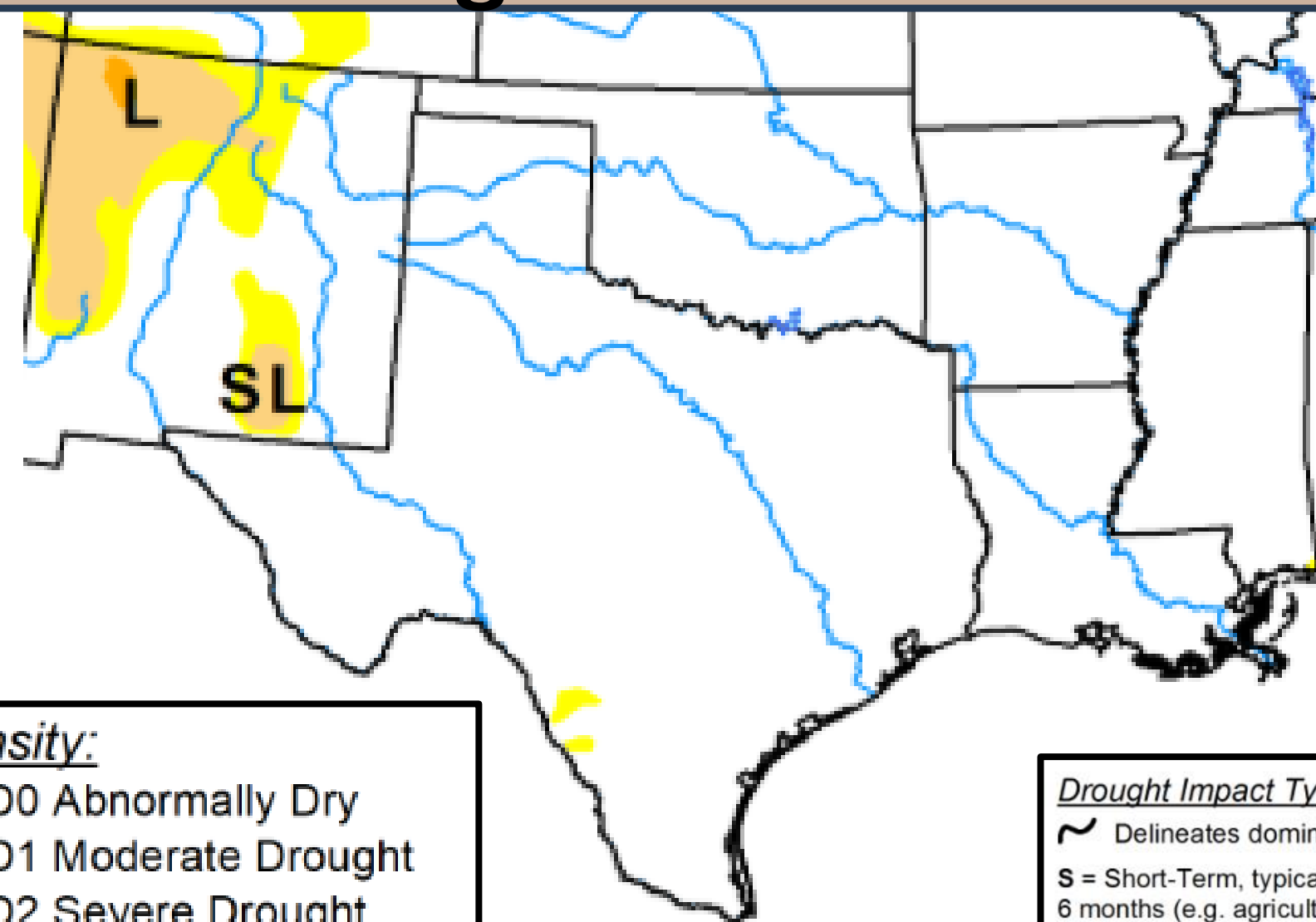
# Drought Monitor (Released May 16, 2019)



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Data valid as of 7am EST, Tuesday, May 14th, 2019

## Drought Monitor



### Intensity:

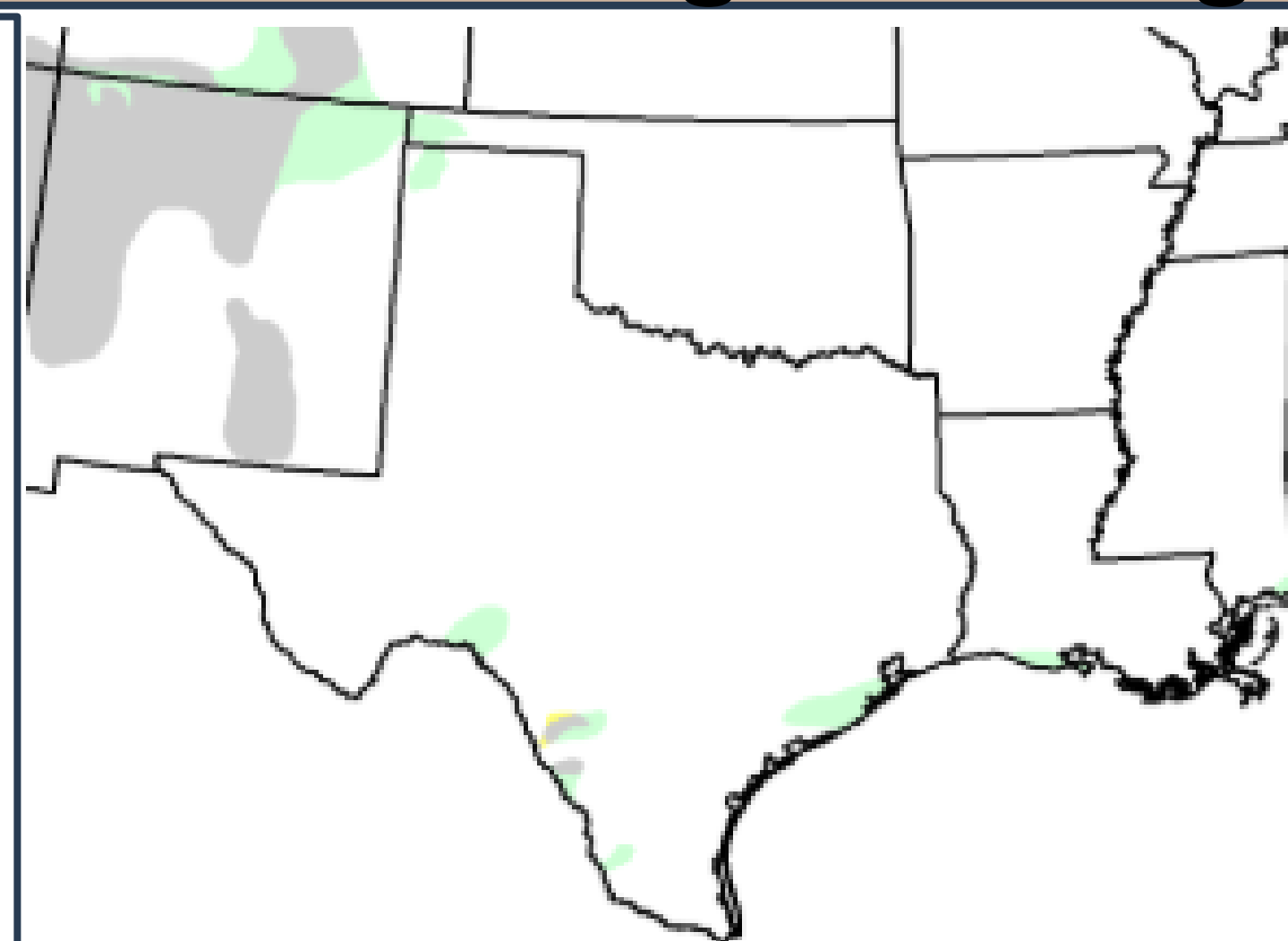
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

### Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

## One Week Change in Drought

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	14.98%	63.58%
Oklahoma	0.00%	0.00%	0.00%	34.36%
Texas	0.00%	0.00%	0.00%	12.98%

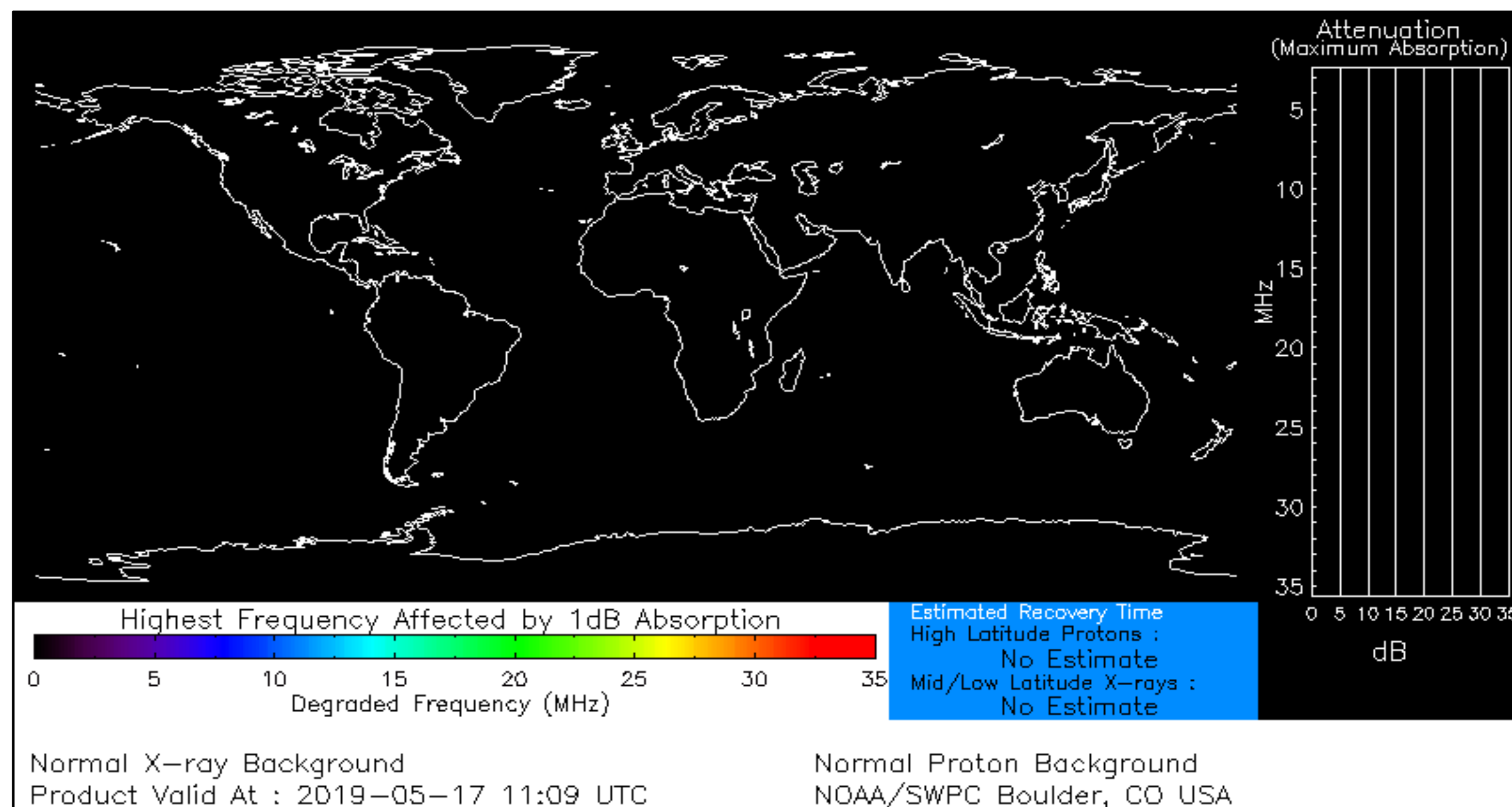


# Space Weather 3-Day Forecast



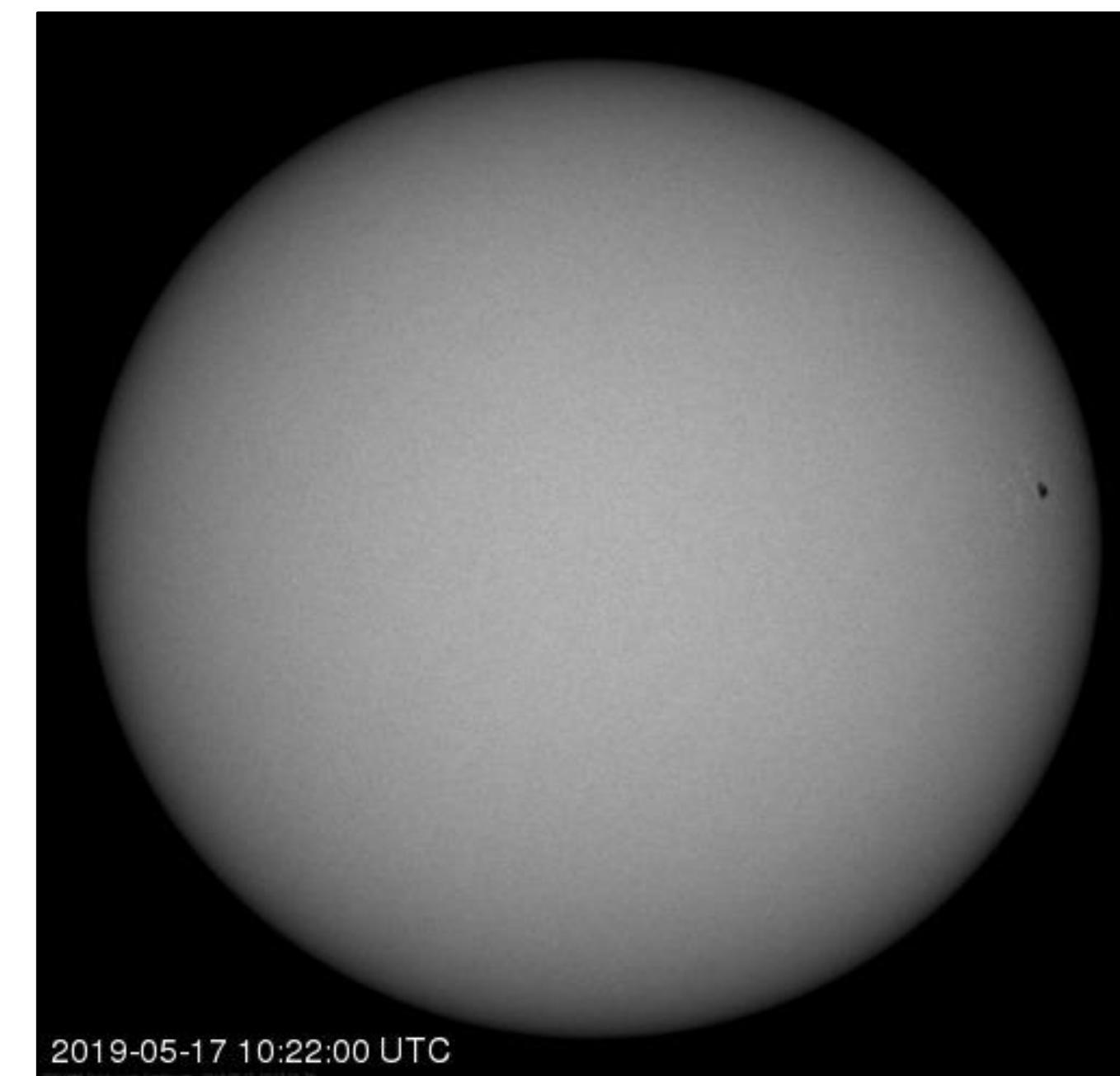
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	Friday	Saturday	Sunday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**